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MARCH 1, 1959

VOL. 37

No. 5



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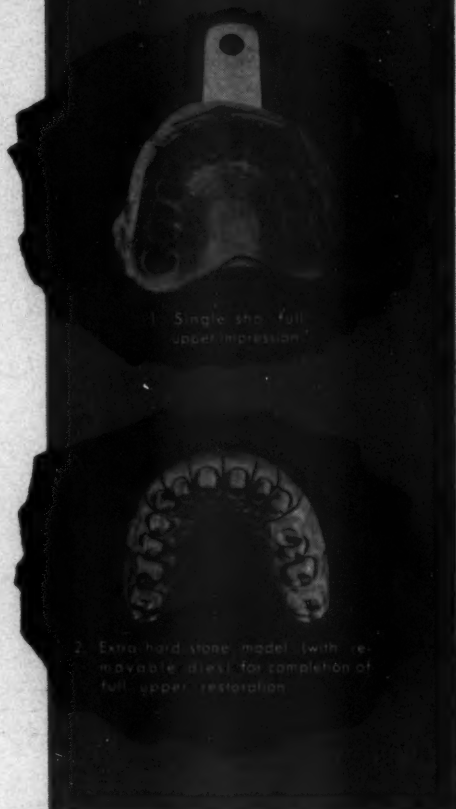
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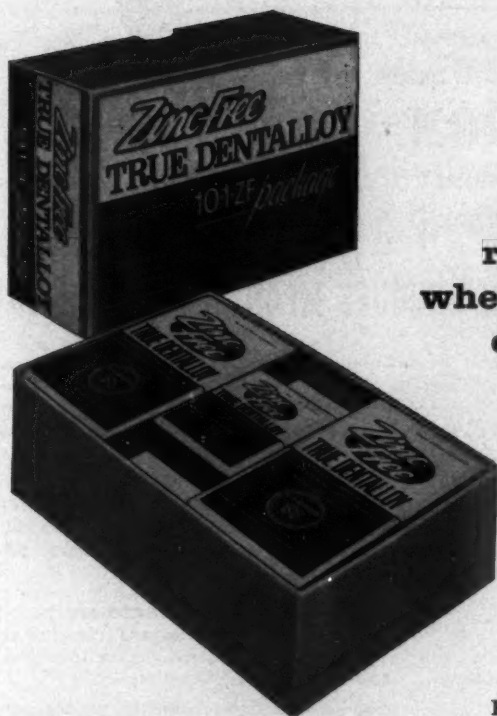
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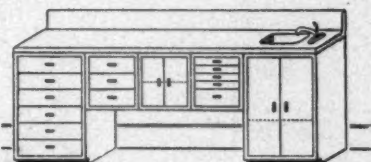
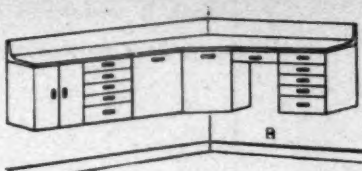
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The Fortnightly
REVIEW
OF THE CHICAGO DENTAL SOCIETY

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March 1, 1959
Volume 37

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ELMER EBERT

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BUSINESS MANAGER

Contributions: Manuscripts should be typewritten, double spaced, and the original copy should be submitted. Every effort will be made to return unused manuscripts if request is made, but no responsibility can be accepted for failure to do so. Anonymous communications will receive no consideration whatever. Manuscripts and news items of interest to the membership of the society are solicited.

Forms close on the first and fifteenth of each month. The early submission of materials will insure more consideration for publication.

The Calendar

- March 3:** KENWOOD-HYDE PARK BRANCH: Annual clinic night will take place at the Del Prado Hotel, 7:00 p.m.
- March 3:** NORTHWEST SIDE BRANCH: Regular monthly meeting will be held at Stella's. Dr. Philip Suess will discuss "Pedodontics for the General Practitioner."
- March 3:** SOUTH SUBURBAN BRANCH: Regular monthly meeting will feature a talk by Dr. Eugene Molnar on "The Manipulation and Use of the Thiccol Impression Materials."
- March 10:** ENGLEWOOD BRANCH: Regular monthly meeting will take place at Nielsen's Restaurant. The program will be presented by an inter-professional panel, dealing with medico-dental relations. The panel will be composed of J. Lynch, D.D.S., G. Rukstinat, M.D., C. Janda, M.D., D.D.S., and J. Adams, R.Ph., and will be moderated by J. Ruzic, D.D.S.
- March 10:** NORTH SUBURBAN BRANCH: Regular monthly meeting will be held at the Georgian Hotel. Dr. Samuel Pruzansky will talk on "Ideas and Methods of Clinical Investigations."
- March 10:** WEST SIDE BRANCH: Regular monthly meeting will be held at the Midwest Athletic Club, 8:00 p.m. Dr. Joseph Cantafio and Dr. Alfred Harris will discuss "Denture Repairs."
- March 10:** WEST SUBURBAN BRANCH: Annual clinic night will take place at the Oak Park Club. See page 14 for further information.
- March 12:** ILLINOIS DENTAL HYGIENISTS ASSOCIATION: A meeting will be held at Younker's Restaurant, with Mr. Waldersee B. Hendrey as guest speaker.
- March 19:** CHICAGO DENTAL ASSISTANTS ASSOCIATION: A meeting will take place at the Palmer House at 8:00 p.m. See page 9 for further information on this meeting and on C.D.A.A. Branch meetings.
- April 21:** CHICAGO DENTAL SOCIETY: Regular monthly meeting and election of officers will be held at the Conrad Hilton Hotel, 8:00 p.m. Further information will be published in the next issue.
- May 13:** COMBINED JEWISH APPEAL: The 2nd annual clinic day will take place. Watch future issues for more complete information.
- UPTOWN DENTAL FORUM:** Meetings are held every Friday at the Town House Restaurant, with luncheon at 12:00 noon and speaker's presentation at 1:00.



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The Fortnightly **REVIEW** *of*

THE CHICAGO DENTAL SOCIETY

March 1, 1959

Volume 37 • No. 5

News Items

CDS RADIO PROGRAMS

The regular Chicago Dental Society program on Station WJJD, 1160 on your dial, will be heard on March 4. Watch your newspaper listing for time.

We will hear Dr. Maurice J. Saklad of New York City, a member of the faculty of New York University College of Dentistry; Dr. Carl O. Boucher of Columbus, Ohio, Professor and head of the Department of Prosthetic Dentistry, Ohio State University and Dr. Edward J. Sullivan of Evanston. The program was taped at the recent Midwinter Meeting at the Conrad Hilton.

On April 1, the WJJD series will present Dr. George W. Teuscher, CDS President and Dean of the Northwestern University Dental School, in an interview on fluoridization.

As a public service, WJJD is presenting this series in cooperation with the Chicago Dental Society on the first Wednesday of every month.

HYGIENISTS MEETING

The Illinois Dental Hygienists Association will hold a meeting on March 12th at Younker's Restaurant. The guest speaker will be Mr. Waldersee B. Hendrey of the Pfanstiehl Chemical Company.

All dental hygienists in the state who are interested in joining the Association are invited to attend this meeting.

IMPORTANT NOTICE

In accordance with the Constitution and By-Laws, all petitions for candidates for the elective offices of Chicago Dental Society must be filed at the office of the Chicago Dental Society by 5:00 p.m., March 20.

JOINT TESTIMONIAL DINNER

A joint testimonial dinner for Dr. Walter E. Dundon, immediate past-President of the Chicago Dental Society and presently a Vice-president of the American Dental Association, and for Dr. Robert J. Pollock, immediate past-President of the Illinois State Dental Society, will be held in the Glass Hat Room of the Congress Hotel on March 19th. Drs. James Keith and Carl Madda are co-chairmen of the affair and Dr. Gerson M. Gould is ticket chairman.

C.D.A.A. NEWS

The regular monthly meeting of the Chicago Dental Assistants Association will take place on March 19th at the Palmer House, at 8:00 p.m. Mr. Jack Reinhardt of the Ney Company will speak on "Newest Idea in Inlay Casting."

North, Northwest, and North Suburban Branch will meet March 2 at the Villa Sweden. Dr. Walter Dundon will talk on "Centennial Celebration of

(Continued on page 25)

Editorial

Well Done, Good and Faithful Co-workers

By the time this issue of the FORTNIGHTLY REVIEW reaches you the Midwinter Meeting, considered the finest and among the largest in dentistry, will be history. The success of our meeting is not an accident but the result of the work of hundreds of dedicated persons who have given generously of their time and energies over the years to make our meeting what it is. This year again some 300 or more workers, along with the officers and directors, will have presented the program and because it has been of limitless value to thousands it will be, to them, a rich reward for their efforts. Those who worked will be thanked for their efforts but there is a small group who year in and year out carry the brunt of welding together and producing the printed programs and all the minute details, who seldom are thanked in person.

This small group are those who make up our central office staff. They are the people who, beginning in mid-August and ending when the last bit of material has been returned from the hotel to the office, carry out the myriad of detail which a meeting such as ours entails. Some of this work for the next year's program begins shortly after the meeting closes. Plans are being laid, essayists and clinicians discussed, reviews are conducted of those who appeared on this year's program, new scientific exhibits are sought, and all possible means of improving the meeting are discussed.

Along about June 15th, after all committee appointments are made and accepted, the Program Committee begins the arduous task of deciding what essayists will be invited, along with limited attendance, projected, and table clinicians. This means that a personal letter of invitation is written each person who is to appear on the program. Then comes what seems an almost endless delay in responding on the part of those invited and begins several months of correspondence until the final acceptances are in. This deadline is December 1st so that the material for the Preliminary Program can be typed, assembled and sent to the printer. Then comes the problem of making up of the January first, Preliminary Program, issue of the FORTNIGHTLY REVIEW, the endless job of proofreading—and the Editor can say with real pride that there are surprisingly few errors. This work is done while carrying on the ordinary routine demands of the office. Finally the galley sheets have been checked and the magazine is printed and, with the competition from the Christmas and New Year's holidays, we hope it reaches you on or near the 2nd of January.

Miss Nelson in the meantime is busy lining up the room chairmen for limited attendance clinics which have been obtained by the officers and directors. In September the prospectus for exhibit space goes out to our exhibitors. About November 1st comes the problem of satisfying some 30 or 40 would-be exhibitors for the two or three spots that have opened up, if any. Our exhibit space is allocated strictly on a priority basis, the firm with the longest priority has first choice. This responsibility falls on the Midwinter Meeting Affairs Committee. Karl Richardson is busy assigning room space for meetings, making equipment arrangements and finishing last-minute details. These are just some of the details which fall to him.

Mrs. Decker, our receptionist, not only handles the 'phones but checks the

(Continued on page 18)

The Role of the Precision Attachment Partial Denture in Restorative Dentistry*

Charles Duane Cory, D.D.S., Chicago, Illinois

(Dr. C. Duane Cory received his pre-dental college at Albion College, Albion, Michigan, and was graduated from Northwestern University Dental School in 1934. Dr. Cory has appeared as clinician and essayist on many programs of national, state and local dental society meetings.)

I would like to discuss the restoration of the dental mechanism in which there has been a partial loss of the accepted normal complement of teeth.

During the past several years the dental profession has made great progress in both preventive and restorative dentistry. This progress has been not only in techniques and materials, and the knowledge of how to use them, but also in the dental education of the patient. He is becoming



Dr. Cory

increasingly aware of what good dentistry is able to offer him in health and comfort, and that the performance of inadequate dental treatment which so frequently leads to the acceptance of full dentures as an inevitable conclusion of the majority of oral problems, is not always the correct and desirable answer to these problems.

We are all aware that the average life span has been increasing remarkably, consequently we may expect an ever increasing number of older patients, as well as patients of all ages who, because of better dental understanding and economic conditions, are desirous of retaining their natural dentition or any part of it, as long as possible.

Even though dentistry has made great strides in caries prevention and correc-

tion, and in the treatment of periodontal disease, the loss of teeth due to caries and, in a greater measure, periodontal disease, and the replacement of these lost teeth is of major importance to the profession.

Periodontal disease is related to the above-mentioned factor of increased life span and is directly caused by bruxism, mal-occlusion, improper or insufficient home care, systemic diseases, and as we can well attest, mechanical irritants, such as bad dentistry.

Our problem as a profession is the replacement of these lost teeth in a manner which will provide the patient with comfort, self-assurance, good esthetics, and good function, and will best preserve the remaining teeth for the greatest length of time. This latter can be achieved only when the stresses produced by a restoration are considered in relation to the periodontal health of the abutment teeth.

There are three methods employed in restoring the partially edentulous mouth to a healthy, functioning mechanism:

1. *The fixed bridge.* This restoration provides the greatest stability to the abutment teeth, and should always be used except when contraindicated by the number of missing teeth and/or a generalized unhealthy condition of any of the abutment teeth and their supporting tissues.

2. *The removable clasp partial denture.* This is the restoration most commonly used by the greatest number of dentists, but also results in the greatest number of restorative failures. I do not wish to discredit the clasp removable denture, as we all know of many well-designed appliances of this type which are

*Presented at the Midwinter Meeting of the Chicago Dental Society, February, 1958.

giving excellent service. However, the many failures are due primarily to the fact that it is virtually impossible to construct a multiple clasp partial denture and have equalized reciprocal action of all clasps. Thus, an excess of normal stress is exerted upon any or all of the abutment teeth, resulting in the partial becoming an orthodontic-appliance producing physiologically unhealthy lateral and horizontal stresses upon the abutment teeth. This results in an undue destruction of the supporting tissues of the teeth, resorption of the mucosa of the saddle area, and displacement of the abutment teeth.

3. *The precision attachment removable denture.* The restoration of choice when the fixed bridge is not indicated and the restoration I will discuss in greater detail. In a well-designed case of this type the vertical stress is directed primarily along the long axis of the abutment teeth, the lateral stress is distributed to all the abutment teeth, and all stresses are distributed to the entire appliance in a manner that aids the abutment teeth in mutual support of each other; in other words, it acts as a splint.

Before proceeding with the discussion concerning the construction of the precision attachment removable denture, I should like to explain that the difference between this type of restoration and other removable partial dentures is in the retention, which is obtained by using specialized frictional devices known as precision attachments. These attachments consist of two parts: the male and female. The male part is shaped somewhat like a T and is soldered to the partial. The female is the boxing or sleeve into which the male part fits, and is soldered into the tooth restoration of each abutment tooth. All attachments on the case must be parallel with each other and with the path of insertion of the partial. These act as both frictional retainers and rests.

Since partial denture failures are usually due to a disregard for the basic principles of correct design and/or a lack of a proper diagnosis of the individual

case and an inadequate plan of treatment, a complete evaluation of the masticatory apparatus should be made before starting construction of any type of case. This involves a study of the occlusal relationship, a determination of the physiologic tolerance of the teeth and their investing tissues, and the treatment of any mobile teeth. This treatment involves the removal from function of all periodontally questionable teeth, usually by the judicious application of a diamond stone and institution of the indicated periodontal treatment. This frequently results in the restoration of doubtful teeth to good periodontal health. Occasionally it is necessary to restore the arch temporarily with an acrylic removable denture in order to rest any periodontally affected teeth, or often the fixed splinting of these teeth to a healthy approximating tooth is of great benefit. These factors are best determined by having good x-rays, making a careful visual and digital oral examination, and taking study models on which the intended restoration should be designed.

Since periodontally affected teeth are frequently the result of an improper occlusion, I feel that the dentist is aided greatly in making his diagnosis and is better serving the interests of the patient if he mounts the study models with the aid of a facebow on an anatomical articulation to study the jaw relationship. It is most important that we recognize not only gross pathology but also incipient disease and correct any potential damage to the oral mechanism.

Too often the natural teeth are positioned in the mouth in a manner that is in conflict with the actions of the muscles of mastication and the movements of the temporomandibular joint. This condition results in teeth when in occlusion being out of true centric, even though the patient is unaware of any discomfort. Unless these conflicts are corrected by revising the relationship of the opposing natural dentition, thus allowing the patient to function in centric and in all normal movements of the mandible, the contemplated appliance may well fail.

Thus, the use of an articulator which records the imperfections in the occlusion that are usually the cause of periodontal disease will aid greatly in making a correct diagnosis of the needs to be supplied by the restoration under consideration.

However, I do wish to warn the dentist that no two occlusions are alike, that in the natural dentition it is virtually impossible and generally speaking undesirable, to attempt to achieve the occlusal relationship we must have when constructing full dentures. If the periodontal condition of the remaining teeth is good, if there is no temporomandibular joint disturbance, and if the occlusion is functionally satisfactory, it is far wiser to forego any change in the patient's interocclusal relationship, or create a so-called balanced occlusion by opening the bite, or overly-enthusiastic equilibration of the teeth. It is far better to limit our rehabilitation to bringing mal-positioned teeth into their proper occlusion with full-coverage restorations, and the elimination of locked-occlusions caused by elongated teeth, by shortening these teeth and restoring them to the indicated occlusal plane or in extreme cases, extracting them.

The first step in the actual construction of a precision attachment partial denture is the outlining of the case on the study models which have been mounted on the articulator. *The abutment teeth should be surveyed so that the correct position and form of preparation to be made for each abutment, and the path of insertion of the restoration may be determined.*

As an abutment I prefer to use a three-quarter crown, or a full coverage cast crown, usually with a veneer facing of plastic or baked porcelain. The abutment castings should be planned that they will hold a full length attachment if at all possible. Never should an attachment be shortened to more than three-quarters of its original length. Also attachments must be placed in corresponding abutments; for example, cuspids or bicuspid on opposite sides of the mouth, should be of the same length.

The natural contours of the abutment teeth must be reproduced in the casting and the occlusal surfaces should be so restored that the normal physiological tooth function is retained.

A definite box form should be prepared in each abutment tooth in the area of the casting that is to hold the female part of the attachment. This box form should be cut a little wider than the width of the attachment to be used. The box forms of all abutments should be as nearly parallel as possible and need not be any deeper than the average cavity preparation.

It is seldom necessary to prepare a sound tooth for use as an abutment since most teeth remaining in a mouth that requires the replacement of lost teeth will have already been filled in some manner, or carious. However, the dentist should always use any tooth as an abutment if it will insure a well-designed restoration, since a good casting is a protection to the surfaces it covers. The modern casting techniques produce restorations that fit so accurately that we do not need to be any more concerned about recurring caries than we would about the original occurrence of caries in a sound tooth.

The factor of short abutment teeth is frequently mentioned as a contraindication for precision attachments. I have found that conservative gingivectomy has always exposed the clinical crown sufficiently for an abutment preparation.

Upon completion of the abutment castings, I prefer to take my final impression in plaster with the abutment castings in place. Many excellent operators use a one impression technique to produce a master model on which are made the abutment castings, and the partial framework, assembly, and finishing are all successfully completed. I have found that most cases have at least one or two abutment preparations whose gingival floors are well beneath the gingival gum margin because of a previous restoration or extensive caries. Since I prefer that the gingival margin of each casting be

(Continued on page 29)

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News of the Branches

South Suburban

On tap for our March meeting to be held on the third of the month will be our speaker Dr. Eugene Molnar on the topic of "The Manipulation and Use of the Thiokol Impression Materials." Those of you in attendance at the Midwinter Meeting of the Chicago Dental Society certainly know by now what useful material this is when properly used and handled, so if you are interested in more detailed information, be sure to join us for our next meeting. . . . At our recent meeting of the Board of Directors, it was announced that plans were going ahead for the demonstration to be given by the Rinn Corporation for dentists and their assistants in the taking, processing and mounting of dental films. . . . I received the following from Clarence Folkers who is doing a splendid job in handling the trips to Upjohn and Lilly: Final notes for the FORTNIGHTLY REVIEW regarding the trip to Kalamazoo, Michigan. Those with paid ticket reservations be at the LaSalle Street Station not later than 12:30 p.m. on Wednesday, March 18, in order to board a special car reserved on the New York Central System. Return tickets will be issued at that time also. There are 29 to date expecting to make the journey from this area. . . . We were advised that two new members have been approved for our branch; they are Fred J. Pacer and Tom Gillis. . . . The new slate of officers newly installed at Ingalls Hospital in Harvey are as follows: S. Bayer, President; Sherman Teeling, Vice-president; James Daly, Secretary, and Russ Dykstra, member of the Executive Board. . . . In the lighter vein, Harry and Mrs. Lees did it for the fourth time, it's a boy. Nice going, Pappy! . . . Bendrick is going down to St. Louis for Homecoming, it's his 10th-year class reunion. . . . That about does it for now, see you all in March.—*H. C. Gornstein, Branch Correspondent.*

West Side

Among the 15,207 visitors to the Midwinter Meeting at the Hilton were many West Siders, including the Hoyle limited attendance group. Some of the West Siders represented among the essayists and clinicians were: Harold Epstein, Dan Laskin, I. D. Podore, Dorothy Rizzo, and Irwin Robinson. . . . The following is the slate of officers presented by the nominating committee: President, Louis K. Holzman; Vice-Pres., Victor Ganz; Sec'y., Walter F. Zipprich; Treas., George R. Walls; Librarian, Frederick Carroll; Board of Directors, Irvin C. Miller. Andrew Kelleher will take Carroll's unexpired term on the Board of Directors. . . . Chick Vission learned to his chagrin that sometimes it's bad not to receive a bill. For years now it had been an annual routine for Chick to have his summer home closed for the winter, with the proper precautions taken to shut off and drain the water in pipes and tanks; for which he had always received a bill from the maintenance man. This year there was no bill. You guessed it! On a panicky visit up there last week Chick discovered the damage the freezing had caused—broken pipes and burst water tank and what not. I wonder if Chick was not tempted to include one busted maintenance man among the damage. . . . Adolph Stark sends along one sad item, the passing of one of our members Dr. James Butler, 58, who had practiced at 3211 Madison for many years. His only immediate survivor is his brother, William, an M.D. of Arizona. . . . Walter Kelly was in Wesley Memorial Hospital for observation. We hope it was nothing serious, Walter. . . . Personality Highlight for this issue is Joe Zieff who has been at 5612 W. Madison for a good part of his thirty-one years in practice. This Spring Joe will be moving down to the Loop where he will be taking things a little easier from now on. With the family

grown, he and his wife are also contemplating moving into an apartment. The big problem now—what to do with the mountains of stuff you accumulate in a lifetime? Such is life, Joe, and we know you'll enjoy the golden years—and we hope to see you often at our meetings. Good Luck! . . . Note to Jack Phillips and Harold Harris and others interested in our West Side Study Club—we'll be starting pretty soon.—*Branch Correspondent, Samuel Silver.*

Northwest Side

Now that the Midwinter Meeting is over and just a pleasant memory we can all settle back and reminisce about all the friends we met and the many fine clinics which were presented. True, there were many of us who did not get the opportunity of attending some of these fine clinics either because they were already filled to capacity or we had applied too late for the necessary reservation. This only proves that these clinics are considered a very necessary part of our continuing interest and dental education. The Chicago Dental Society really outdid itself at this past meeting—congratulations! . . . The first meeting of the year for the Northwest Side is on Tuesday, March 3rd, at Stella's Hall on Kostner and Belmont. The scientific session will be presented by Dr. Phillip Suess who will discuss "Pedodontics for the General Practitioner." He will attempt to acquaint the general practitioner with two essential phases of pedodontia which are: Cavity preparation in primary teeth and the design of space maintainers. Slides and demonstrations will be shown. Please make your reservations for dinner if you have not already done so. . . . Joe and Mrs. Lebow spent a nice vacation in Florida prior to the Midwinter Meeting and I understand Ted and Mrs. Serr were there also taking in the wonderful Florida sunshine. Our own Ben Davidson has become a grandfather again. This is the second grandchild for the Davidsons and the name is Joan Deborah. . . .

Mitch Kaminski's son Mickey has received a National Merit Award Certificate. He really is a credit to the Kaminski family and congratulations are extended to him. I also notice that Cas Rogalski has returned from a three-week vacation in Florida. The Florida sunshine is certainly attracting many of our members. . . . Bob Pawlowski is completing his master's thesis for his specialization in orthodontia. . . . Guess what? Joe Ulis and Cas Rogalski are out sporting their new white Buicks about town, this is really a fast friendship. . . . Stan Sierocinski has finally convinced her and he is getting married soon—congratulations Stan and best wishes from all.—*Chester L. Jasick, Branch Correspondent.*

North Side

Here I go trying to write a column for the FORTNIGHTLY again. I shouldn't mention this fact but as per usual in this business, I am starting off with plenty of paper and no news. So let's pad a little. . . . The Midwinter meeting is now over and we on the North Side are proud of our men who helped make it a success by contributing time and effort in presenting and working on the various clinics. These men include Maury Hoffman, Gerry, Parkin, Shapiro, d'Autremont, Hanagan, Semiloff, Gerber, Rosenstein, Chubin and many others whom I sincerely thank on behalf of our branch. Timothy Bishop gave an excellent table clinic. I saw Harry Greene in a heated discussion with one of the salesmen representing a new contour chair. Dr. Greene claims they are giving plenty support to the legs and none to the head where we as dentists work. Saw N. S. Dubrow with his wife Ruth and daughter Phyllis who is completing a course in dental assisting at the University of Illinois. Many of the fellows did come to the meeting with their wives and some even went as far as to spend several nights at the hotel—with their wives. These women are getting more and more interested in our meetings. . . . I also saw Ted Siegel, Ben

Block, Earl Elman, LeRoy Levey and his wife Betty, our officers and director Art Duxler. The North Side is always well represented. . . . Others I bumped shoulders with in crowded elevators were Mel Schainis, Harold Sitron, Joe Eisenstein and Joe Gordon—all eating apples. . . . The Uptown Forum is on the move again. This time the group is going to Oakton Manor for the weekend of April 11-12-13th. I have said it before and I say it again—all dentists are invited to attend the Forum meetings. . . . Max Dolnick's son is in dental school at the University of Illinois and Max tells us the son knows more than his dad (at least the son thinks so!) . . . I. Simon is building a new home in Highland Park. . . . Leonard Gelfand is sporting a new Oldsmobile—one with a speedometer that flashes all colors as you hit certain speeds. . . . Aubrey Lauterstein has passed his boards in pedodontia and has announced his limiting of practice. . . . Received a notice that Dr. Herb Lippitz is opening his new office for the practice of orthodontia. Good luck to two fine fellows. . . . The Dentists Committee of the North Side, under the chairmanship of I. Shapiro, met at the home of John Kalin. The various chairmen gave their reports and the meeting was concerned with determining future activity of the committee. More on this later. . . . By now I believe you have received your postal card questionnaire concerning your choice of new officers for the North Side Branch. This is your way of directly taking part in the selection of men to run your branch. Please indicate your choice and mail the card back. . . . Francis Joseph's son Sheldon was married Feb. 1. Can't think of any more news to pad this column with—so all be well until next month.—*H. Rabin*

Kenwood-Hyde Park

One of the most ambitious programs ever to be presented at a Kenwood-Hyde Park meeting has been announced by our affable, handsome program chairman, Vic Wittert. This is Kenwood-Hyde

Park's Annual Table Clinic and Dental Assistants Night, subtitled "Try to Stump the Experts." All Chicago Dental Society members, their wives and assistants are welcome. Dentists and their assistants who have problems in one of the subjects listed below are welcome to bring their study models, x-rays and problems to see if they can "Stump the experts." The clinicians are considered well qualified in their fields and welcome the opportunity to be stumped. This meeting will be Tuesday, March 3 at the Del Prado Hotel. Dinner reservations can be made with Ascher Jacobs, PLaza 2-5322. Dinner at 7 p.m., clinics at 8:15 p.m.

The clinicians and their subjects are the following:

Pedodontics—Mack Tanner.

Simple Space Maintainer—William Rogers.

Periodontia—Bennett Klavan.

Amalgam—Captains William Malone and Daniel Urban of the US Army Dental Corps, 5th Army Headquarters.

Gold Inlay, indirect, hydrocolloid—Joseph Hirsch.

Crown and bridgework—Robert Pinkerton.

Crown and bridgework, splinting (periodontia cases)—Morry Falstein.

Precision bridgework—Paul Chung.

Impression techniques for full and partial dentures—William Smith.

Oral Surgery—Graham Davies.

Occlusion—Fred Macaluso.

Case analysis—Max Schulson.

Hypnosis in dentistry—Moses Gelberd.

Rubber base materials, dimensional stability—William Roy Eberle.

Dental Assistants

Beneath the surface and the unknown—Georgia Angelopolous.

What is a dental assistant?—Arlene Karlsen.

Before and after photography—Martha Johnson and Eleanor Wylde.

First Aid in the dental office—Mary Shepley.

Sterile tray technique in oral surgery—Catharine Collins.

Inlay investing—Adele Conroy.

Sterilization—Rose Anne Kirm.

On a sadder note: The many friends of the late Ted Guzik among the members of Kenwood extend their sympathy to the bereaved family.—*M. B. Gelberd, Branch Correspondent.*

North Suburban

The Midwinter Meeting may be just a memory to most of you as you pick up this article. However, I'm certain that you will shortly be reminded of your activity there as the bills begin to arrive for all those nice supplies and gadgets you purchased. Remember, next time you

buy, do it before you visit the exhibits in the "Old South" and the "Lakeside Green." . . . The latest word from up Barrington way is that Ron Fabrick's new office has the makings of one of the finest in the great Northwest. It's supposed to be complete with "time and motion study" cabinets, contour chair and all. We're certainly looking forward to the open house, Ron. . . . Frank Psota's building in Arlington Heights is looking very nice and there, too, we look forward to the grand opening. . . . Activity among the "outdoor" group seems a little slow right now. Bill Meek, Chuck Shaner and

(Continued on page 25)

EDITORIAL

(Continued from page 10)

membership rosters, assigns patient requests, sends out due bills, mails out membership cards and certificates, proofreads the roster galleys and does many other chores large and small. Miss Harvey, the Editorial Assistant, not only does the typing for the FORTNIGHTLY REVIEW, takes classified as well as display ads, sends bills for ads, prepares the dummy, proofreads and checks the galley and page proofs, does the banking and bookkeeping and handles a hundred other little but time-consuming items. Along about October first Mrs. Gustafson appears on a part-time basis and continues through to the end of the meeting. Her specific responsibility is to make out limited attendance cards, arrange them in files for sale, and do other typing and mailing in connection with the Midwinter Meeting. Shortly after the Preliminary Program is in the hands of the members she begins to mail out the limited attendance cards for which reservations have been made. These are some of the many things our central office staff does in addition to carrying on the other routine tasks.

At this point I would be remiss if I did not say "thank you" to our printers, General Printing Company, and to Bob French in particular, for the outstanding job of production which they do, for their invaluable counsel, assistance with our mailing problems and their help in obtaining the most economical class of mailing. This year through our new classification our mailing costs will be reduced a thousand to twelve hundred dollars and in this saving we all benefit. When you consider that the FORTNIGHTLY REVIEW operates on a 15-day schedule, from the deadline dates of the 1st and 15th, until the finished magazine is in the post office 15 days later, it is a remarkable tribute to the cooperation and dedication on the part of our central office staff and General Printing Company.

And so may I urge you to say "thank you" to our staff, whose dedication, loyalty and willingness to give just a little more have made our jobs easier and the Society function more smoothly and efficiently. If the Editor has seemed a bit enthusiastic or even gone overboard a little, he is very glad for in the last 12 or 13 years it has been his privilege to work closely with them and he can speak from experience.

To Amy Nelson, who for thirty years through thick and thin has given her best to the Society, I would say just one more "thank you" for all of us.

Well done, good and faithful co-workers!

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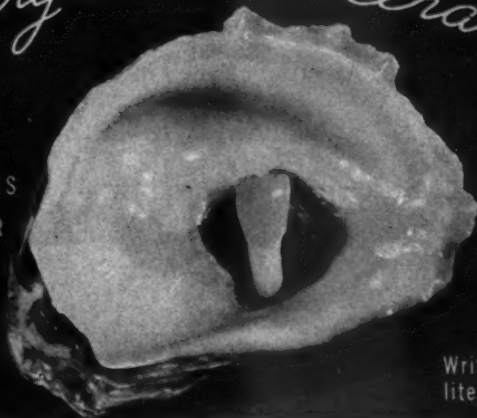
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For Sale: Well established completely furnished one-chair office, reception room, business office, powder room, laboratory and X-ray, with recall system. Moving to Florida. Lincoln National Bank Bldg. Call WELLington 5-0223.

For Sale: Completely equipped air-conditioned dental office and practice in Western Suburb. Dark room, laboratory and small reception room. Redecorated last year. Presently used part-time, could easily be used full-time. Call BI 7-7214 after 1:00 p.m.

For Sale: Weber wall x-ray, model 6; sterilizer; instrument cabinet. Ivory. All excellent condition. Best offer. MICHigan 2-9886.

For Sale: West Suburban office and practice. 7 very modern rooms includes 2 operating rooms and x-ray room. Very substantial practice. Rent from 2nd floor apartment will pay for building. \$10,000 cash required. Address C-8, The Fortnightly Review of the Chicago Dental Society.

For Sale: Complete suburban dental office. Two operating rooms, x-ray machine. Modern building. Sacrifice, \$500.00. Call RAndolph 6-5830.

For Sale: Completely furnished one-chair office, reception room, business office and laboratory. Pittsfield Bldg. Call FRanklin 2-3500—Monday, Wednesday or Friday.

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For Rent: SOUTH SUBURBAN. Ground floor dental suite, edge of business district. Has plumbing in. Ideal setup for young dentist that wants to grow with fast-growing community. Telephone Dolton 0690 or address C-1, The Fortnightly Review of the Chicago Dental Society.

WANTED TO RENT

Wanted: Information concerning office space in North Suburban area offering greatest opportunity for establishing high type general practice. Complete details solicited. Address C-3, The Fortnightly Review of the Chicago Dental Society.

WANTED TO RENT PART TIME

Wanted: Would like to rent fully equipped two-chair Loop dental office, two days per week. Address C-6, The Fortnightly Review of the Chicago Dental Society.

WANTED TO PURCHASE

Dentist with twenty years experience would like to buy active dental practice in Chicago suburb. Give full details in first letter. Address C-2, The Fortnightly Review of the Chicago Dental Society.

Wanted: Dental office and practice. Prefer Loop area or North Shore suburbs. Two chairs minimum. Can handle transaction with cash. DIversey 8-7009.

Wanted: Equipment—new or slightly used unit, chair, cabinet, sterilizer. Address C-11, The Fortnightly Review of the Chicago Dental Society.

Wanted to Purchase: Two used child-sized dental chairs, either foot pump or motor driven. State condition and price. Address replies to Dr. Robert Herr, 209 Farmers Bank, Jacksonville, Ill.

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Dentist: Unusual opportunity for a practicing dentist who wishes to eventually practice in the Loop full time. Owner expects to retire within the near future. Fully equipped two-chair office. Address C-7, The Fortnightly Review of the Chicago Dental Society.

Wanted: Dentist for full or part time association. Address C-9, The Fortnightly Review of the Chicago Dental Society.

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Wanted: Experienced dental assistant, 28-45 years of age. Neat, dependable and well mannered. Capable of running office and assisting at the chair. No evenings, no lab work. 4224 W. Lawrence. Call Monday or Thursday mornings. KILdare 5-2881.

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Association wanted, by well qualified dentist, eventual purchase desired but not essential, military obligations complete. Replies confidential. Address C-5, The Fortnightly Review of the Chicago Dental Society.

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OLSON, THOMAS J. (Northwestern 1956) North Suburban, 3241 Market Plaza West, Rolling Meadows. Endorsed by Robert C. Coberley and Dan E. Herrold.

ROGERS, THOMAS J. (Loyola 1958) Service, Ft. Sill, Okla. Endorsed by Arthur J. Krol and Rinert Gerhard.

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NEWS ITEMS

(Continued from page 9)

the A.D.A. and Ten Years of C.D.A.A."

The South Side Branch will meet at Nielsen's Restaurant on March 10th. Miss Harriet Turner will discuss "Our Tenth Birthday."

West Suburban Branch of C.D.A.A. will hold a meeting on March 10 at Otto's Restaurant. Speaker will be Mr. Robert Petrtyl on "New Tray Material Technique."

POSTGRADUATE COURSE IN CHILDREN'S DENTISTRY

The University of Illinois College of Dentistry will offer a one-week postgraduate course in dentistry for children, March 16-20, at the College. This course is especially planned for the general practitioner and in addition to the usual subjects there will be a demonstration in the hospital of the use of general anesthesia for the handicapped child.

CHANGE IN DATE ANNOUNCED FOR WORKSHOP ON HYPNOSIS

The workshop on Hypnosis to be presented by the Chicago Academy of Dental Psychosomatics and the Chicago Society of Clinical Hypnosis, in cooperation with Roosevelt University, will be held at the Sheraton-Blackstone on Wednesday, March 11th, 9:00 a.m. to 4:30 p.m. (note that this is a change from the originally announced date of March 4th.)

NEWS OF THE BRANCHES

(Continued from page 18)

Paul Bostian are spending their time talking of all the ducks and geese they have in the locker since their trip to Tennessee and Southern Illinois. Chuck is also salivating copiously as he talks of the new shotgun his BW gave him for Christmas. Bill Meek's latest is the flavoring of ducks by injecting barbecue sauce with a Luer syringe just prior to cooking. Now if only he could figure some way to put the sauce in old anesthetic carpules. . . . Andy Koller is busy restocking his big game rifle. Latest report has the action fitting the stock closer than the margin on a State Board gold foil. . . . Branch Prexy George Carey mentioned a wonderful evening he spent entertaining a foreign exchange student in his home. The student Dr. Abraham Khedesian is Armenian, born and raised in Egypt. He has his dental degree from the University of Alexandria and is now doing postgraduate work at Northwestern University. He is, according to George, a brilliant individual and a great credit to our profession. Keep up the good foreign relations, George. . . . Just spoke with our very capable program chairman, George Kearns, and learned that there are great things in the offing. The March 10 meeting will have our own Dr. Samuel Pruzansky, who is on the staff at the University of Illinois College of Dentistry and is very well versed in the masticatory mechanism. Further details can be found in the calandar of meetings located in the front

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of this issue. . . . The April meeting gives promise of being one of the greatest of the season. It will be held (Note!) at the Rolling Green Country Club on April 14th. The speaker will be the world-renowned John Ott, known for his amazing work in the time-lapse photography of growing plants and flowers. Rumor is also around that the branch may consider inviting the wives to attend this outstanding meeting. Give it some thought and talk it over with the wife (if you dare!) so you are prepared to vote if asked to at the next meeting. I personally can assure you that the surroundings and the food will be very excellent, so please do your best to join us at that meeting. . . . In closing, I'll leave you with the story of the rich Texan who sat down in his dentist's chair and said, "Don't bother to check them, Doc, drill anywhere, I feel lucky today."—*Rolley C. Bateman, Branch Correspondent.*

West Suburban

Fire devastated the office of Francis Fierce during the early hours of Monday morning, February 9th. We understand that damage by fire, water and smoke was very extensive. I am sure I voice the sentiments of the branch when I state that we are sorry that this incident occurred. There is one lesson that we could learn from this misfortune and that is to check our own fire insurance policies and see that we are all adequately protected by proper coverage. . . . The Jim Kohouts

are celebrating their fortieth wedding anniversary by vacationing in the Hawaiian Islands. Jim states that a stop-over will be made at Los Angeles to visit relatives and friends. After this brief visit in California the Kohouts will fly to Honolulu making the Moana Hotel their principal address. . . . The Wallace Kirbys are also Hawaii bound. There is a great possibility that Wallace and Jim could have a West Suburban reunion in the so-called garden spot of the Pacific. . . . Russell Benedict attended the Midwinter Meeting of the Chicago Dental Society. Rus looks very well after his recent hospitalization. I met him in the room which was reserved for the Northwestern Dental School class of 1926. Mrs. Benedict provided the class members and guests a delightful assortment of tasty snacks. All freeloaders who sampled Mrs. Benedict's efforts had high praise for her culinary ability. . . . Syl Cotter, Marv. Blechman and myself attended the Illinois Dental Society of Anesthesiology forum. Two eminent anesthesiologists from Chicago were the featured speakers. This was a very informative meeting and much was learned by those in attendance. . . . Barney Mulacek is incapacitated from his office practice. Barney sustained a fractured leg. It may be two months before the good doctor may resume practice. In the interim Ronald, Barney's son will carry the double burden. . . . Ed. Kritzke informed me that twenty-three West Suburban men attended the three-part workshop program in emergency casualty care. The program was sponsored by the West Suburban Branch of the Chicago Dental Society civil defense committee. The Berwyn Board of Health was host to the program. Bill Tolar and Merrill Shepro were in charge of arrangements. . . . Bob Atterbury received a beautiful gold plaque upon completing his tenure of office as president of the University of Illinois dental alumni association. Bob we all know what a demand of time is expended in an office you just held. I am sure your efforts will not be forgotten by those whom you served. . . . Frank Olson

has moved into a new and larger office. . . . John Reichert is celebrating his silver jubilee in the practice of dentistry. John and his Northwestern classmates were honored at the recent N.U.D.S. luncheon held on Wednesday during the recent Midwinter Meeting. . . . Hugh Ryan and daughter were interested spectators at the dental exhibits during the Chicago convention. . . . Ollie Cumbach and Larry Mullineux were seen lunching at the Hilton. Both seemed to be enjoying the annual meeting very much. . . . Wayne Dunnom is to be congratulated upon his recent article published in the *FORTNIGHTLY REVIEW*. . . . Please be reminded of our March meeting. This 'All Clinic' night should be well supported by the membership. Cocktails will be served at 6:00 p.m. and the clinics start about 8:00. . . . Lyle Filek, a former West Suburban member, was seen at the Midwinter Meeting. Lyle practices in Clearwater, Florida and wishes to be remembered to all his friends.—*E. J. Budill, Branch Correspondent.*

Englewood

The Midwinter Meeting of the Chicago Dental Society is now over and all the supplies and equipment that you forgot you ordered are beginning to arrive at your office. . . . Convention Highlights: Vince Milas was re-elected Secretary of the Endodontists group. They sure know a good man when they find one. Congratulations, Vince, I told you, stick with me and you'd go places. . . . Gus Solfronk, as a member of the Reception Committee, had the pleasure of meeting and greeting visiting dentists from Japan, London, Venezuela, Brazil and Germany. Looks like Gus wants a job in the State Department. I also heard that Gus recently moved into a new home. Guess he got tired of climbing stairs. . . . I asked Joe Vocat Monday morning what was new and he relates the following to me. It took him two hours to drive down to the Conrad Hilton because of the ice, then before he could park his car he skidded into another car. Also his daugh-



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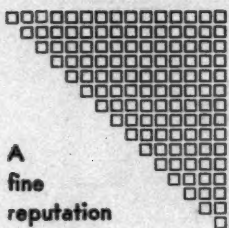


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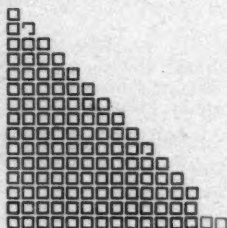
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ter broke her arm the first week in February. Joe sure has a knack of getting news for my columns. . . . Glad to see Carl Berquist down at the convention taking in all the exhibits. You're looking real good, Carl. . . . Had lunch with John Green one day and gave him a lecture on the new Englewood spirit. I hope to see you at a meeting real soon, John. . . . I would like to mention the names of the Englewood men who worked hard to make our Convention a real success. Officers: Harold Hayes and Paul Kanchier. Director: Eric Lindholm. Committeemen: Clinton Fisher, Ed Glavin, Marion Hopkins, Al Jason, Francis O'Grady, Bob Straub, Al Fick, Al Spiro, Sam Rabishaw, John Devin, Henry Deb-ski, Ed Werre, Jim Hogg, Don Reynolds, Frank Farrell, Bill Shippee, Mal Brooks, Bob Tharp, Bob Unger, Gene Jaffe, Tom Fleming, John Corrigan, Gus Solfronk, Joe Zielinski, Jack Manning, Teofile Jurkunas, and Henry Mathews. Presiding Chairmen: Joe Solus, Larry Lucas, Ed Tharp, Lew Weil, Roman Urban, Julius Dziubak, Al Fick, Joe Ruzic, Earl Adams, Mal Brooks, Francis O'Grady, Richard Davido, Gene Jaffe, Tom Fleming, Otto Wagner, John Francis, Joe Vocat, and Reuben Anderson. Clinicians and Essayists: Peter Christensen, Lester Kalk, E. Reed Later, Vincent Milas, Gilbert Pape, Tom Starshak, Tom Starshak, Jr., Bob Tanis, Ted Vermeulen, Ed Wach and Lew Weil. . . . Announcement: Ben Davidson, Chairman of The Public Relations Committee, is looking for men who would like to talk to lay groups, for his speakers' bureau. His committee provides all the material you need and you have your choice of topic. . . . I hear Bob Hattendorf is sporting a new Mercury. . . . Sick List: Ned Hohman at Evangelical Hospital and Tom Breed at Little Company of Mary. . . . Richard Davido and I took a very instructive postgraduate course at Michael Reese Hospital right after the convention. It was given by Dr. E. Cheraskin and Dr. A. Elfenbaum. . . . Be sure to attend the March 10 Branch Meeting. Joe Ruzic will be in charge.—*Lewis L. Weil, Branch Correspondent.*

**THE ROLE OF THE PRECISION
ATTACHMENT PARTIAL DENTURE
IN RESTORATIVE DENTISTRY**

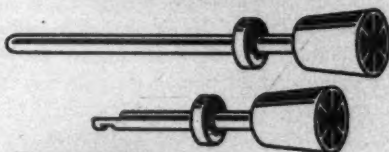
(Continued from page 13)


covered by the free margin of the gum, I am more successful when I treat each abutment individually.

When full-coverage crowns are to be used as abutments it is advisable to make individual metal dies from impressions of the preparations on which are made cast metal transfer copings in which to seat the die in the plaster impression. Either gold or transfer coping metal may be used. The coping is waxed up on the metal die, a hole cut through at the incisal or occlusal surface of the tooth preparation, so that the proper seating of the die may be checked, and small projections are left on the coping in order to insure proper retention in the plaster impression. These copings may be so waxed up that they will act as guides to the vertical dimension and proximal contacts if so desired.

Our discussion up to this point relative to the construction of the attachment case has been primarily concerned with the planning of the abutment castings. Other factors involved in a well designed case are also of major importance. When it is possible to use a fixed bridge as a restoration for one side of the mouth, it is frequently advisable to place the attachment within the lingual contour of the bridge dummy and provide an occlusal extension arm that projects slightly to the buccal to aid the patient in removal of the partial. The same idea is carried out when teeth are missing on only one side of an arch; an attachment is placed in the lingual of an abutment casting (generally the mesial-lingual of the first molar of the side where no teeth have been lost). Since the partial denture under discussion is bilateral, the bar connecting the abutments on opposite sides of the arch must be rigid in construction in order to insure the reciprocal support of all abutments to each other. The base area of the appliance should be as extensive as possible in order to distribute the stress over the widest pos-

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sible area of the mucosa. This is especially true if it is to be in any way tissue borne.

When the removable partial restores posterior teeth on a free-end or distal extension saddle, it is frequently advisable to use a distal extension stress breaker which controls the saddle movements, thus transferring a greater portion of the stress to the mucosa than would otherwise be the case. The use of the stress breaker is entirely dependent upon the judgment of the operator who should be guided by his examination of the teeth to be used as abutments and the general condition of the mucosa that is to carry the free-end saddle. Most of the available distal extension stress breakers are easily adjusted to the individual requirements of each restoration.

As a general rule, it is wise to never replace teeth anterior to anterior abutments of an appliance that restores posterior teeth, as this will cause wear and loosening of the attachments. A fixed bridge is the restoration of choice for these anterior teeth that have been lost.

This treatment of the partial denture framework will provide a stabilizing and splinting effect and help to relieve overloading of abutment teeth.

It is important to realize that the male part of the attachment (that part which is built into the partial itself) is completely seated only during function. Thus the underlying mucosa is intermittently stimulated, creating a normal blood flow and resulting in a healthy tissue. For the same reason, in contrast to teeth that

are clasped, the abutment teeth of a precision attachment case are under stress only when in function. The fact that very little, if any resorption occurs over a period of years beneath the saddles of a well-designed attachment case, indicates that the functional stresses are equally distributed over the entire functional area.

I believe that most dentists will benefit by utilizing the services of a skilled laboratory technician to place the attachments and finish the partial denture. Even though these steps are not especially difficult, they may be time-consuming and tedious, and the selection of a technician who is adept in precision attachment work will be advantageous to most dentists.

When the case is finished, it is placed in the mouth for twenty-four to forty-eight hours before cementing the abutments and only major adjustments to the occlusal relationship are made at this time if any are needed. Frequently, the abutment castings are placed permanently over a series of appointments rather than at one sitting. This allows ample time for the attachments to become adjusted and the saddles properly settled into position. And any final adjustments to the occlusion are made after the case is completed.

Summary

To summarize, I would like to list some of the advantages of the precision attachment removable denture:



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1. It is more sanitary than a clasp partial denture because of simpler design, and normal tooth contour is retained, or restored, aiding in the proper gingival stimulation.

2. There are no clasps to cause caries, abrasion, and erosion of the abutment teeth.

3. Because of the multiple splinting effect of the retainers, and the fact that the frictional retention is within the normal tooth contour and is in function only during use, the well-designed attachment partial denture has a longer life and gives more comfort to the patient.

4. The rest or stop lies near the gingivae, within the normal teeth contour, and stress is along the long axis of the tooth. Both are physiologically correct.

5. The esthetics are as good as in fixed bridgework.

6. It is easily adjusted to any degree of tightness without causing stress on the abutment teeth.

7. It may be used in many cases where a full denture would otherwise be the only satisfactory restoration.

Conclusion

In conclusion, I would like to quote Dr. Herman Chayes whose work forty years ago has resulted in the modern precision attachment.

"A removable partial denture which will permit the remaining teeth to express themselves to the correct degree so as to maintain form, function and nutrition and which will simulate the natural

teeth it is replacing in the exercise of the trinity mentioned, constitutes an ideal partial denture."

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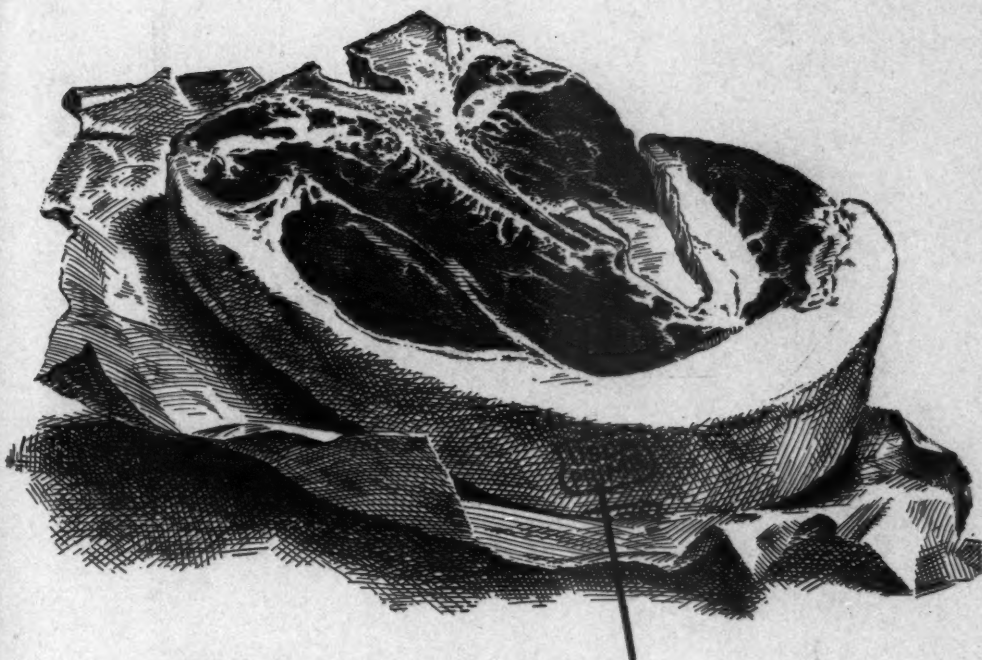
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